PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAA AAAAAAA AAAAAAA		000000000000000000000000000000000000000	HHH HHH HHH	ннн ннн ннн
PPP PPP	AAA AAA	TTT	CCC	ННН	ннн
PPP PPP	AAA AAA	İİİ	ČČČ	ННН	ннн
PPP PPP	AAA AAA	İİİ	ČČČ	ННН	ННН
PPP PPP	AAA AAA	İİİ	ČČČ	ННН	ннн
PPP PPP	AAA AAA	İİİ	ČČČ	ННН	ННН
PPP PPP	AAA AAA	İİİ	CCC	ННН	ннн
PPPPPPPPPPP	AAA AAA	İİİ	CCC	нинининини	
PPPPPPPPPPP	AAA AAA	İİİ	ČČČ	нинининини	
PPPPPPPPPPP	AAA AAA	İİİ	ČČČ	нинининини	
PPP	AAAAAAAAAAAAA	İİİ	CCC	ннн	ннн
PPP	AAAAAAAAAAAAA	İİİ	CCC	ННН	ннн
PPP	AAAAAAAAAAAA	İİİ	ČČČ	ннн	ннн
PPP	AAA AAA	iii	ČČČ	ННН	ннн
PPP	AAA AAA	iii	ČČČ	ННН	ннн
PPP	AAA AAA	tit	ččč	ННН	ннн
PPP	AAA AAA	iii	CCCCCCCCCC	ННН	ннн
PPP	AAA AAA	tit	2222222222	ННН	ннн
PPP	AAA AAA	iii	2222222222	ннн	ннн

MM MMM MMMM MM MM MM MM MM MM MM MM MM

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		\$	YY YY YY YY YY YY YY YY YY YY YY YY YY	
		\$			

PAT VO4

R

R

MODULE PATSYM (

XIF XVARIANT EQL 1

ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE, NONEXTERNAL = LONG_RELATIVE),

IDENT = 'V04-000') =

BEGIN

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FACILITY: PATCH

ABSTRACT:

This module contains the routines for manipulating the user-defined and global symbols.

ENVIRONMENT: STARLET, user mode, interrupts disabled.

Version: V02-009

History: Author:

Carol Peters, 13 Dec 1976: Version 01

MODIFIED BY:

02-FEB-1981 V02-009 PCG0001 PCG0001 Peter George Of Add require statement for LIB\$:PATDEF.REQ

Modified by: Kathleen Morse, 19 Oct 1977: Version X01.00

PATSYM V04-000				E 4 16-Sep-1984 00:36:04 14-Sep-1984 12:52:49	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[PATCH.SRC]PATSYM.B32;1 (1)
: 58	0058 1 ! Revi	sion history:			
60	0060 1 NO	DATE	PROGRAMMER	PURPOSE	
58 59 60 61 62 63 64 65 66	0058 1 Revi 0059 1 0060 1 N0 0061 1 0062 1 0063 1 00 0064 1 01 0065 1 02 0066 1 03 0067 1 0068 1 04 0069 1 05 0070 1 06 0071 1 0072 1 0073 1 07 0074 1 08 0075 1	19-0CT-77 5-JAN-78 7-MAR-78 7-APR-78	K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE	ADAPT VERSION NO CHANGES FOR ADD PATSVAL TO ADD PATSFIND V USER-DEFINED S	15 FOR PATCH 16-17. DEF. AL TO LOOK UP
68 69 70	0068 1 04 0069 1 05 0070 1 06 0071 1	25-APR-78 18-MAY-78 06-JUN-78	K.D. MORSE K.D. MORSE K.D. MORSE	CONVERT TO NAT	IVE COMPILER. VERS 19. TO DEF AND ADD ND_VAL TO FIND
72 73 74 75	0073 1 07 0074 1 08 0075 1	07-JUN-78 13-JUN-78	K.D. MORSE K.D. MORSE	ADD PATSADD LA ADD FAO COUNTS	BELS. TO SIGNALS.

65

PATSYM V04-000			f 4 16-Sep-1984 00:36:04 14-Sep-1984 12:52:49	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATSYM.B32;1 (2)
78 79 80 81 82	0078 1 0079 1 0080 1 0081 1	PATSFIND VAL, PATSFIND VAL, PATSFIND SYM : NOVALUE, PATSFIND SYM, PATSADD_CABELS : NOVALUE;		Lookup symbol given value Stores a user-defined symbol in the symbol finds a symbol in symbol table Adds labels from one symbol list to user-o
78 79 80 812 883 885 887 888 890 912	0077 1 FORWAR 0078 1 0079 1 0080 1 0081 1 0082 1 0083 1 LIBRAR 0084 1 REQUIR 0149 1 REQUIR 0149 1 REQUIR 0411 1 REQUIR 0465 1 REQUIR 0465 1 REQUIR 0639 1 REQUIR 0715 1 REQUIR 0773 1 REQUIR	Y 'SYS\$LIBRARY:LIB.L32'; E 'SRC\$:VXSMAC.REQ'; E 'SRC\$:PATPCT.REQ'; E 'SRC\$:PATGEN.REQ'; E 'LIB\$:PATDEF.REQ'; E 'LIB\$:PATMSG.REQ'; E 'SRC\$:BSTRUC.REQ'; E 'SRC\$:SYSSER.REQ';	! Defin	nes literals

PATSYM 16-Sep-1984 00:36:04 VAX-11 BLiss-32 V4.0-742 Page 4 15-Sep-1984 22:50:49 \$255\$DUA28:[PATCH.SRCJSYSSER.REQ:1 Page 4 15-Sep-1984 22:50:49 \$255\$DUA28:[PATCH.SRCJSYSSER.REQ:1 (1) EXTERNAL ROUTINE PATSfao_out; ! formats a line and outputs to the terminal

SRELLEC

PATSYM V04-000	H 4 16-Sep-1984 00:36:04 14-Sep-1984 12:52:49	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATSYM.B32;1 (2
93 0855 1 EXTERNAL ROUTINE 95 0857 1 PATSFREERLEASE, 96 0858 1 PATSFREEZ; 97 0859 1 98 0860 1 EXTERNAL 99 0861 1 PATSGL_SYMHEAD, 100 0862 1 PATSGL_SYMTBPSR; 101 0863 1 102 0864 1 BUILTIN 103 0865 1 INSQUE;		! Deallocates a block of free storage ! Allocates a block of free storage ! Pointer to listhead entry of user-defined ! Symbol table listhead

**F

```
PATSYM
V04-000
                                                                                                                         VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PATCH.SRC]PATSYM.B32;1
   GLOBAL ROUTINE PATSFIND_VAL (VALUE, MATCH_FLAG) =
                                   functional description:
                                            Searches (in a binary manner) through the doubly-linked symbol table for the name of a symbol which matches the given value. If such a symbol is found, the address of the entry is returned. Otherwise 0 is returned.
                                           If MATCH_FLAG is TRUE, an exact match must be found. Otherwise we return a pointer to the closest lower symbol.
                                   Calling sequence:
                                            CALLS #2, PATSFIND_VAL
                                   Inputs:
                                                                  -the key we are to search for
-TRUE => insist on an exact match,
FALSE => the closest one will do.
                                            VALUE
                                            MATCH_FLAG
                                   Implicit inputs:
                                            PAT$GL_SYMTBPTR, pointer to the header link in the current symbol table.
                                   Outputs:
                                            The address of the symbol entry, or zero, if the name is not found.
                                   Implicit outputs:
                                            none
                                   Routine value:
                                            an address or zero
                                   Side effects:
                      0907
                                            none
                                 PEGIN
                                 LOCAL
                                            RETURN_PTR.
                                                                                                                           Pointer to closest matched entry
                                                                                                                         ! Pointer to current symbol entry
                                            POINTER:
                                 ! Assume there is no closest match (RETURN_PTR = 0).
                                 RETURN_PTR = 0;
                                   Set pointer to the first entry in the table. Loop, searching the table
```

PAT

```
PATSYM
V04-000
                                                                                                                                VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATSYM.B32;1
    1656789177778901888901989199919991999199919991999
                                     until an exact match is found or there is no more table.
                                  POINTER = .DLL_RLINK (.PATSGL_SYMTBPTR); WHILE .POINTER NEQ .PATSGL_SYMTBPTR
                                              BEGIN
                                                 Look for exact match.
                                               IF (.SYM_VALUE(.POINTER) EQLU .VALUE)
                                               THEN
                                                          RETURN . POINTER:
                                                 Check if closest match is desired. If so, check that current entry is less than the value sought and if it is closer than RETURN_PTR.
                                               IF (NOT .MATCH_FLAG)
                                              THEN
                                                          IF (.SYM_VALUE(.POINTER) LEQU .VALUE)
                                                                      BEGIN
                                                                     IF (.RETURN_PTR EQLA 0)
THEN
                                                                                 RETURN_PTR = .POINTER
                                                                     ELSE
                                                                                 If (.SYM_VALUE(.RETURN_PTR) LEQU .SYM_VALUE(.POINTER))
                                                                                 THEN
                                                                                             RETURN_PTR = .POINTER;
                                                                     END:
                                                Go back and look at the next element on the list.
                                              POINTER = .DLL_RLINK(.POINTER);
                                              END:
                                  RETURN(.RETURN_PTR);
END;
    200
                                                                                                           .TITLE
                                                                                                                      PATSYM
\V04-000\
                                                                                                                      PATSFAO OUT, PATSFREERELEASE
PATSFREEZ, PATSGL_SYMHEAD
PATSGL_SYMTBPTR
ACCESS_CHECK
                                                                                                            .EXTRN
                                                                                                            .EXTRN
                                                                                                            . WEAK
                                                                                                           .PSECT
                                                                                                                       _PAT$CODE,NOURT,2
                                                                                0004
04
00
02
01
13
                                                                                                                                                                                         0867
0920
0926
0941
0927
                                                                                                           .ENTRY
                                                                                                                      PATSFIND_VAL, Save R2
                                                                                                                      RETURN PTR

PATSGE SYMTBPTR, POINTER

MATCH FEAG, R2
                                                                            FF
AC
50
1F
AO
                                                             0000000G
                                                                                                           MOVL
                                                                                                           MCOML
```

CMPL

BEQL

POINTER, PATSGL_SYMTBPTR

8(POINTER), VALUE

0000000G

04

08

PAT VO4

0933

PATSYM V04-000		K 4 16-Sep-1984 00:36:04 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:52:49 DISK\$VMSMASTER:[PATCH.SRC]PATSY	Page 8
	08 A0 51 50 50	1B 13 0001D BEQL 5\$ 52 E9 0001F BLBC R2, 3\$ 0E 1A 00022 BGTRU 3\$ 51 D5 00024 TSTL RETURN_PTR 07 13 00026 BEQL 2\$ 08 A1 D1 00028 CMPL 8(RETURN_PTR), 8(POINTER) 03 1A 0002D BGTRU 3\$ 50 D0 0002F 2\$: MOVL POINTER, RETURN_PTR 60 D0 00032 3\$: MOVL (POINTER), POINTER D8 11 00035 BRB 1\$ 51 D0 00037 4\$: MOVL RETURN_PTR, R0 04 0003A 5\$: RET	0941 0943 0946 0950 0952 0958 0958 0960 0961

```
PAT
VO4
```

```
PATSYM
V04-000
                                                                                                                                    VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATSYM.B32;1
    232426789012345678901234567890123456789012345678901234567890123456789012345678
                                    GLOBAL ROUTINE PATSDEFINE_SYM (STRING_DESC, VALUE, MSG_FLAG) : NOVALUE =
                                       Functional description:
                                               Stores a user-defined symbol in the symbol table, which is a doubly linked list. First searches (in a binary fashion) the table to see whether the symbol exists. If it does not, then the symbol is inserted, except if no free storage is left, in which case another error message is reported from PATSFREEZ.
                                       Calling sequence:
                                                CALLS #2, PATSDEFINE_SYM
                                       Inputs:

    a string descriptor describing the string
representing the symbol.

                                                STRING_DESC
                                                VALUE
                                                                          the value to be stored as the equivalent of the
                                                                           symbol.
                                                MSG_FLAG
                                                                           Indicator whether or not to print a define message,
                        0984
0985
0986
0987
0988
                                                                           (TRUE=print message, FALSE=don't print message)
                                       Implicit inputs:
                                                PAT$GL_SYMTBPTR, pointer to the header link in the current symbol table.
                        0989
0990
0991
0992
0993
0994
0995
0998
0999
1000
                                       Implicit outputs:
                                                none
                                       Routine value:
                                                novalue
                                       Side effects:
                                                The symbol is inserted into the symbol table. The links of
                        1001
1002
                                                the table are appropriately adjusted.
                                    BEGIN
                                   MAP
                                                STRING_DESC : REF BLOCK [, BYTE];
                                    LOCAL
                                                POINTER;
                                    POINTER = PATSFIND_SYM (.STRING_DESC);
                                   IF (.POINTER EQL OT
                                                BEGIN
                                                ! Symbol did not exist. Insert it into the symbol table. First allocate
```

```
M 4
16-Sep-1984 00:36:04
14-Sep-1984 12:52:49
PATSYM
V04-000
                                                                                                          VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATSYM.B32;1
   a block of dynamic storage to hold it.
                                      POINTER = PATSFREEZ ((.STRING_DESC [DSCSW_LENGTH] + 1 + 3) / 4 + OVERHEAD_SYM - 1);
                                         Space allocated. Insert the new link. Then write the symbol name and
                                         value into the new symbol table entry.
                                      THEN
                                                END
                            ELSE
                                      BEGIN
                   1041
1042
1043
1044
1045
1046
1047
1048
1049
                                         Symbol already was defined. Just reset the value of
                                         the symbol stored in the symbol table.
                                       IF (.MSG_FLAG)
                                       THEN
                                                         $FAO_TT_OUT('symbol ''!AD'' redefined from !XL to !XL',
.STRING_DESC[DSC$W_LENGTH],
CH$PTR(.STRING_DESC[DSC$A_POINTER]),
                                                                    .SYM_VALUE(.POINTER), .VALUE);
                                      SYM_VALUE (.POINTER) = .VALUE;
                   1051
                                      END:
                            END:
                                                                                         .PSECT
                                                                                                   _PAT$PLIT,NOWRT,NOEXE,0
                                                                        00000 P.AAA:
00001
00010
0001C P.AAB:
0001D
0002C
0003B
                                                                                         .ASCII
                                                                   736627640
                                                                                                   \symbol "!AD" defined as !XL\
                                                          6D
6E
                                                              79
69
    64
                                                              79
65
20
                                                          6D
66
74
                                                                                          ASCII
                                                                                                   \symbol "!AD" redefined from !XL to !XL\
                                                     69
6F
                                                                                         .PSECT
                                                                                                   _PAT$CODE,NOWRT,2
                                                                        00000
00002
00009
0000D
0000F
00016
                                                                  01FC
9E
00
DD
FB
                                                                                                   PATSDEFINE_SYM, Save R2,R3,R4,R5,R6,R7,R8
PATSFAO_OUT, R8
STRING_DESC, R2
                                                                                          .ENTRY
                                                                                                                                                          0962
                                                  0000000G
                                                                                         MOVAB
                                                                                                                                                          1013
                                                                                         MOVL
                                                                                         PUSHL
                                  00000000V
                                                                                                       PATSFIND_SYM
POINTER
                                               EF
57
                                                                                         CALLS
                                                                                                   RG.
                                                                                         MOVL
```

PATSYM V04-000		N 4 16-Sep-1984 00:36:04 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:52:49 DISK\$VMSMASTER:[PATCH.SRC]PATSYM.E	Page 11 332;1 (4)
OD	50 50 50 50 50 50 50 50 50 50	47 12 00019 62 3C 0001B 04 C0 0001E 04 C6 00021 ADDL2 #4, R0 05 00024 PUSHAB 3(R0) 01 FB 00027 CALLS #1, PAT\$FREEZ 67 0E 0031 AC D0 00038 66 28 0003C AC D0 00046 AC E9 00048 BLBC MOVL STRING DESC, R6 AC DD 00046 AC E9 00048 AC DD 00046 AC E9 00048 AC DD 00055 EF 9F 00058 04 FB 0005E 04 O0060 AC E9 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A7 DD 00066 A8 DD 00066 A9 D0 00066 A9 D0 00066 A9 D0 00067 BBLBC MSG FLAG, 2\$ AC DD 00066 A9 D0 00067 BBLBC MSG FLAG, 2\$ AC DD 00066 A7 DD 00066 A8 PUSHL VALUE BBLBC MSG FLAG, 2\$ PUSHL VALUE PUSHL VALUE PUSHL VALUE PUSHL (R6), -(SP) PUSHAB P.AAA CALLS #4, PAT\$FAO_OUT RET AC DD 00066 A9 D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00078 AC D0 00080 3\$: RET	1014 1021 1027 1028 1029 1030 1031 1032 1036

Routine Base: _PAT\$CODE + 003B

; Routine Size: 129 bytes,

PATSYM V04-000 ; 351 1110 1 END;

	00	000000G	54 00 55 EF	0000000G 04	FF AC 54 18	03C 00 00 01	00000 00002 00009 00000	15:	.ENTRY MOVL MOVL CMPL	PATSFIND SYM, Save R2,R3,R4,R5 APATSGL SYMTBPTR, POINTER STRING DESC, R5 POINTER, PATSGL SYMTBPTR	: 1053 : 1100 : 1104 : 1101
50	00	04	50 B5	0¢ 04 0D		9A 2D	00016 0001A		BEQL MOVZBL CMPC5	12(POINTER), RO astring_desc, a4(R5), #0, R0, 13(POINTER)	1105
			50	OD	A4 BC A4 04 54	12	00021 00023 00025 00028		BNEQ MOVL RET MOVL BRB	2\$ POINTER, RO	1106
			54		64 DF 50	DO 11 04 04	00029 0002C 0002E 00030	2\$: 3\$:	MÖVL BRB CLRL RET	(POINTER), POINTER 1\$ RO	1107 1101 1109 1110

; Routine Size: 49 bytes, Routine Base: _PAT\$CODE + 00BC

; R

```
PATSYM
VO4-000
                                                                                                                                                                                                                                                                                                                    16-Sep-1984 00:36:04
14-Sep-1984 12:52:49
                                                                                                                                                                                                                                                                                                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particular Particul
                                                                                                                   PATSGL_SYMTBPTR = .PATSGL_SYMHEAD;
WHILE (POINTER=.DLL_RLINK(.SYM_LISTHEAD[0])) NEQA .SYM_LISTHEAD[0]
                                                                              1168
1169
1170
1171
1172
1173
1174
1177
1178
1179
1180
                                                                                                                    DO
                                                                                                                                                          BEGIN
                                                                                                                                                       NEXT PTR = .DLL_RLINK(.POINTER);
DLL_CLINK(.NEXT_PTR) = .DLL_LLINK(.POINTER);
DLL_RLINK(.SYM_CISTHEADCO]) = .DLL_RLINK(.POINTER);
STRING_DESC[DSC$W_LENGTH] = .SYM_CRCOUNT(.POINTER);
STRING_DESC[DSC$A_POINTER] = SYM_CSTRING(.POINTER) + 1;
SYMBOL_PTR = PAT$FIND_SYM(STRING_DESC);
IF (.SYMBOL_PTR_EQLA_0)
THEN
                                                                                                                                                           THEN
                                                                                                                                                                                                BEGIN
                                                                             1181
                                                                                                                                                                                                        This is a new user symbol. Add the entry to the user-
                                                                                                                                                                                                         defined symbol table.
                                                                                                                                                                                            DLL_RLINK(.POINTER) = 0;

DLL_LLINK(.POINTER) = 0;

INSQUE(.POINTER, .PATSGL_SYMHEAD);

SFAO_TT_OUT('symbol ''!AD' defined as !XL',

.STRING_DESC[DSC$W_LENGTH],

.CH$PTR(.STRING_DESC[DSC$A_POINTER]),

.SYM_VALUE(.POINTER));
                                                                            1186
1187
1188
                                                                           1189
                                                                              1191
                                                                                                                                                                                                END
                                                                                                                                                         ELSE
                                                                              1194
                                                                                                                                                                                                BEGIN
                                                                              1195
                                                                             1196
1197
                                                                                                                                                                                                   This is a redefinition of a user symbol. Alter the value
                                                                                                                                                                                                         in the user-defined symbol table and then release the
                                                                             1198
1199
                                                                                                                                                                                                        label entry to the free storage list.
                                                                                                                                                                                              SFAO_TT_OUT('symbol ''!AD'' redefined from !XL to !XL',
.STRING_DESC[DSC$W_LENGTH], CH$PTR(.STRING_DESC[DSC$A_POINTER]),
.SYM_VALUE(.SYMBOL_PTR), .SYM_VALUE(.POINTER));
SYM_VALUE(.SYMBOL_PTR) = .SYM_VALUE(.POINTER);
PAT$FREERELEASE(.POINTER, ((.STRING_DESC[DSC$W_LENGTH] + 1 + 3)/
4 + OVERHEAD_SYM - 1));
                                                                              1200
                                                                              1201
                                                                                                                                                                                                END:
                                                                                                                                                         END:
                                                                                                                   END:
                                                                                                                                                                                                                                                                                                                                                                    .PSECT
                                                                                                                                                                                                                                                                                                                                                                                                        _PAT$PLIT, NOWRT, NOEXE, 0
                                                                                                                                                                                                                                                                                               00043
00044
00053
0005F
00060
0006F
0007E
                                                                                                                                                                                                                                                                                                                           P.AAC:
                                                                                                                                                                                                                                                                            736627640
                                                                                                                                                                                                                                                                                                                                                                                                           symbol "!AD" defined as !XL\
                                                                                                                                                                                                                                                                                                                            P.AAD:
                                                                                                                                                                                                                                                         79
65
20
                                                                                                                                                                                                                                                                                                                                                                                                         \symbol "!AD" redefined from !XL to !XL\
                                                                                                                                                                                                                   62
69
6F
```

PA

F 5 16-Sep-1984 14-Sep-1984	99:36:94	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATSYM.B32;1	16
14-Sep-1984	12:52:49	DISKSVMSMASTER: [PATCH.SRC]PATSYM.B32;1	(6)

							.PSECT	_PAT\$CODE,NOWRT,2	
	55 5E	000000006	EF	03C	00000		.ENTRY MOVAB	PATSADD_LABELS, Save R2,R3,R4,R5 PATSFAO_OUT, R5	; 1111
0000000G	50 50 50	00000000G 04	E0EB6566A6A22E1	39CDDD13000BEDB02CEDDCFB1	00000 00002 00009 0000C 00017 0001B 0001E	1\$:	MOVAB SUBL2 MOVL MOVL MOVL BEQL MOVL MOVL MOVAB PUSHL CALLS MOVL BNEQ CLRQ INSQUE	#8, SP PATSGL_SYMHEAD, PATSGL_SYMTBPTR asym_LISTHEAD, RO (RO), POINTER POINTER, RO 3\$	1168 1169
04	54 60 6E AE	04	62 A2	000	00026		MOVL	(POINTER), NEXT_PTR 4(POINTER), 4(NEXT_PTR)	1172 1173
04	6E AE	OC OD	45 45	9B 9E	0001E 00023 00028 0002E 00037 00037		MOVZBW MOVAB	(POINTER), NEXT_PTR 4(POINTER), 4(NEXT_PTR) (POINTER), (RO) 12(POINTER), STRING_DESC 13(R2), STRING_DESC+4	1172 1173 1174 1175 1176
92	AF 53		01	FB	00039 00030		CALLS	N1, PATSFIND SYM RO, SYMBOL_PTR 28	
0000000G	FF	08 08 08	5166AAAEOBAAAEOA600A508	7C OE DD	00040 00042 00044 0004B		CLRQ INSQUE PUSHL PUSHL MOVZWL PUSHAB	(POINTER) (POINTER), aPATSGL_SYMHEAD 8(POINTER) STRING_DESC+4 STRING_DESC, -(SP)	1178 1185 1187 1191
	7E 65	000000000	EF 04	9F FB	00055 0005B		PUSHAB CALLS	P.AAC #4, PAT\$FA9_OUT	1179
	7E	08 08 0C 0C	AZ AZ AE AE	DD DD 30	0004E 00055 0005B 0005E 00060 00069 00069 0006D	2\$:	CALLS BRB PUSHL PUSHL PUSHL MOVZWL PUSHAB	8(POINTER) 8(SYMBOL_PTR) STRING_DESC+4 STRING_DESC, -(SP)	1178 1202
08	65 A3	00000000	EF 05 A2	PF FB DO	0006D 00073 00076		PUSHAB CALLS MOVL		1203
	65 A3 50 50	03	6E 04 04 A0	DDDDC56800066	00076 0007B 0007E 00081 00084 00087		CALLS MOVL MOVZWL ADDL2 DIVL2 PUSHAB	#5, PAT\$FAO_OUT 8(POINTER), 8(SYMBOL_PTR) STRING_DESC, RO #4, RO #4, RO 3(RO)	1203 1204
0000000G	EF		52 02 85	DD FB 11 04	00087 00089 00090 00092	3\$:	PUSHL CALLS BRB RET	POINTER #2, PATSFREERELEASE 1\$	1169 1209

; Routine Size: 147 bytes, Routine Base: _PAT\$CODE + OOED

.

PATSYM VO4-000 VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATSYM.B32;1 : 453 1210 1 END 1211 0 ELUDOM PSECT SUMMARY Name Bytes Attributes PATSCODE PATSPLIT NOVEC, NOWRT, NOVEC, NOWRT, RD . EXE.NOSHR. LCL. REL, CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(0) Library Statistics ----- Symbols -----Processing Pages File Total Loaded Percent Mapped Time \$255\$DUA28:[SYSLIB]LIB.L32;1 18619 0 1000 00:01.8 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/VARIANT:1/LIS=LIS\$:PATSYM/OBJ=OBJ\$:PATSYM MSRC\$:PATSYM/UPDATE=(ENH\$:PATSYM) 384 code + 134 data bytes 00:21.0 01:14.8 Size: Run Time: Elapsed Time: Lines/CPU Min: Lines/CPU Min: 3468 Lexemes/CPU-Min: 45579 Memory Used: 133 pages Compilation Complete

PAT

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